

CLAIMS

What is claimed is:

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1. A method for scheduling and planning maintenance and service in a network-based supply chain, comprising the steps of:
 - (a) monitoring operation of entities selected from the group consisting of server processes, disk space, memory availability, CPU utilization, access time to a server, and a number of connections in a network-based supply chain;
 - (b) updating items selected from the group consisting of merchandising content, currency exchange rates, tax rates, and pricing in the network-based supply chain at predetermined intervals;
 - (c) synchronizing external data stored separately from the network-based supply chain with internal data stored on the network-based supply chain;
 - (d) managing contact information received from users of the network-based supply chain; and
 - (e) altering the items based on profiles of the users of the network-based supply chain.
 2. A method as recited in claim 1, further comprising the step of performing load balancing services that initiate and stop processes as utilization levels vary in the network-based supply chain.
 3. A method as recited in claim 1, wherein the step of managing the contact information includes tracking responses to the users of the network-based supply chain.
 4. A method as recited in claim 1, wherein one of the items altered based on the profiles of the users includes price, and the price is altered to reflect a discount assigned to the user.

1 5. A method as recited in claim 1, wherein prior to the synchronization of the
2 external data, a search is performed for the internal data in the network-based
3 supply chain.

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1 6. A computer program embodied on a computer readable medium for
2 scheduling and planning maintenance and service in a network-based supply
3 chain environment, comprising:
4 (a) a code segment that monitors operation of entities selected from the group
5 consisting of server processes, disk space, memory availability, CPU
6 utilization, access time to a server, and a number of connections in a
7 network-based supply chain;
8 (b) a code segment that updates items selected from the group consisting of
9 merchandising content, currency exchange rates, tax rates, and pricing in the
10 network-based supply chain at predetermined intervals;
11 (c) a code segment that synchronizes external data stored separately from the
12 network-based supply chain with internal data stored on the network-based
13 supply chain;
14 (d) a code segment that manages contact information received from users of the
15 network-based supply chain; and
16 (e) a code segment that alters the items based on profiles of the users of the
17 network-based supply chain.

1 7. A computer program as recited in claim 6, further comprising a code
2 segment that performs load balancing services that initiate and stop processes
3 as utilization levels vary in the network-based supply chain.

1 8. A computer program as recited in claim 6, wherein the code segment that
2 manages the contact information includes tracking responses to the users of
3 the network-based supply chain.

1 9. A computer program as recited in claim 6, wherein one of the items altered
2 based on the profiles of the users includes price, and the price is altered to
3 reflect a discount assigned to the user.

1 10. A method as recited in claim 6, wherein prior to the synchronization of the
2 external data, a search is performed for the internal data in the network-based
3 supply chain.

1 11. A system for scheduling and planning maintenance and service in a network-
2 based supply chain environment, comprising:

3 (a) logic that monitors operation of entities selected from the group consisting of
4 server processes, disk space, memory availability, CPU utilization, access
5 time to a server, and a number of connections in a network-based supply
6 chain;

7 (b) logic that updates items selected from the group consisting of merchandising
8 content, currency exchange rates, tax rates, and pricing in the network-based
9 supply chain at predetermined intervals;

10 (c) logic that synchronizes external data stored separately from the network-
11 based supply chain with internal data stored on the network-based supply
12 chain;

13 (d) logic that manages contact information received from users of the network-
14 based supply chain; and

15 (e) logic that alters the items based on profiles of the users of the network-based
16 supply chain.

1 12. A system as recited in claim 11, further comprising logic that performs load
2 balancing services that initiate and stop processes as utilization levels vary in
3 the network-based supply chain.

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Case	Model	Method	Results
1	Linear	Least Squares	Good fit
2	Quadratic	Least Squares	Good fit
3	Cubic	Least Squares	Good fit
4	Quartic	Least Squares	Good fit
5	Quintic	Least Squares	Good fit
6	Sixth Degree	Least Squares	Good fit
7	Seventh Degree	Least Squares	Good fit
8	Eighth Degree	Least Squares	Good fit
9	Ninth Degree	Least Squares	Good fit
10	Tenth Degree	Least Squares	Good fit
11	Eleventh Degree	Least Squares	Good fit
12	Twelfth Degree	Least Squares	Good fit
13	Thirteenth Degree	Least Squares	Good fit
14	Fourteenth Degree	Least Squares	Good fit
15	Fifteenth Degree	Least Squares	Good fit
16	Sixteenth Degree	Least Squares	Good fit
17	Seventeenth Degree	Least Squares	Good fit
18	Eighteenth Degree	Least Squares	Good fit
19	Nineteenth Degree	Least Squares	Good fit
20	Twentieth Degree	Least Squares	Good fit

profiles of the users including the amount assigned to the user. The system as recited in claim 1 receives the personal data, a search is performed on the personal data, and the results are displayed on the display chain.

ount assigned to the user.

system as recited in claim 1.

nal data, a search is performed on the data chain.

system as recorded in the original data, and the supply chain.